

Application Number 10/511931

Response to the *Ex Parte Quayle* Office Action mailed January 22, 2010

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IN THE SPECIFICATION

Amendments to the Specification:

Please amend the following at page 10, line 32-page 11, line 4 of the specification:

FIG. 4 is a flowchart showing the operation of the present embodiment. FIG. 5 is a waveform showing the operation according to the present embodiment when recording at an increased recording density. The operation to correct the edge positions of the front end pulse and the back end pulse in the combinations (that is, the elements of the correction table) of (pre-code length 7T--recording code length 3T--post-code length 7T), (pre-code length 7T--recording code length 5T--post-code length ~~3T~~^{7T}) and (pre-code length 3T--recording code length 5T--post-code length 6T) is described in FIG. 5. Here, T represents the period of the channel clock. In FIG. 5, (a) is a channel clock signal, (b) is a waveform of the recording data signal 18, (c) is a waveform of the recording pulse signal 19 and (d) shows a waveform of the recording pulse signal 22 after pulse edge correction. (e) shows the state of the marks that are recorded according to the recording pulse signal, numeral 501 represents a track, and numeral 502 represents a recording mark.